

Permutations of DOTD SONET Telecommunications Network -- **Costs to Complete**

Recommended Funding Amounts computed at 90% Probability Not to Exceed, Mean plus 1.28 Standard Deviations

	<u>Item</u>	<u>Low</u>	<u>Target</u>	<u>High</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Recommended Funding Amount</u>
1	Southeast Ring, No DOTD Fiber Ring in Baton Rouge	2,477	2,668	4,098	3,081		
2	Southeast Ring, DOTD Fiber Ring in Baton Rouge	2,477	5,318	6,898	4,898		
3	Southeast Ring, No DOTD Ring in Baton Rouge, Wireless Capability	3,067	3,328	4,298	3,564		
4	Southwest Ring, Microwave to Lafayette Office	80	408	674	387		
5	Southwest Ring, Fiber to Lafayette Office	260	688	994	647		
6	Southwest Ring, Microwave to Lafayette Office, Wireless Capability	316	672	994	661		
7	North Ring, Microwave to Chase from Rayville	3,325	4,262	5,274	4,279		
8	North Ring, Microwave to Chase from Rayville, Wireless Capability	3,691	4,543	5,641	4,617		
9	South Fiber, I-49, Lafayette to Morgan City to Bridge City	774	898	1,064	912		
10	South Fiber, I-49, Lafayette to Morgan City to Bridge City, Wireless Capability	892	1,030	1,224	1,049		
11	Microwave Paths	5,720	6,500	7,020	6,413		
12	Network Management	500	750	900	717		
13	Basic Network, Items 1, 4, and 7	5,882	7,338	10,046	7,747	238	\$ 8,060,000
14	Basic Network, Broadband Wireless Capability, Items 3, 6, and 8	7,074	8,543	10,933	8,842	139	\$ 9,030,000
15	Cost to ADD Wireless Capability, I-10/I-12 & Northward, Item 14 minus Item 13						\$ 970,000
16	Basic Network, DOTD Fiber Ring in Baton Rouge, Items 2,4, and 7	5,882	9,988	12,846	9,564	781	\$ 10,570,000
17	Cost to ADD DOTD Fiber Ring in Baton Rouge, Item 16 minus Item 13						\$ 2,510,000
18	Basic Network, Fiber to Lafayette Office, Items 1, 5, and 7	6,062	7,618	10,366	8,007	261	\$ 8,350,000
19	Cost to ADD Fiber to Lafayette Office, Item 18 minus Item 13						\$ 290,000
20	Network with Microwave Paths providing Redundancy, Items 2, 5, 7, and 11	11,782	16,768	20,186	16,237	799	\$ 17,260,000
21	Cost to ADD Microwave Redundant Paths, Item 20 minus Items 2, 5, and 7	5,720	6,500	7,020	6,413	130	\$ 6,580,000
22	Network with Microwave Redundancy and Network Management, Items 20 and 12	12,282	17,518	21,086	16,954	803	\$ 17,990,000
23	Cost to ADD Network Management to Redundant Network, Item 22 minus Item 20						\$ 730,000
24	Basic Network with I-49 Future Path, Items 13 and 9	6,656	8,236	11,110	8,659	239	\$ 8,970,000
25	Cost to ADD Basic I-49 Future Path, Item 24 minus Item 13						\$ 910,000
26	Basic Network, Broadband Wireless Capability, Statewide, Item 14 + Item 10	7,966	9,573	12,157	9,891	141	\$ 10,080,000